Owner's Manual

Please read before using this unit.

DVD Player

DP170FX4

FUNAI

INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

Supplied Accessories

- Remote Control (NB691UD / NB691UH)
- Audio / video cables
- SETUP MANUAL

Connecting to RF Modulator (Not Supplied)

If your TV has "Antenna In (RF in)" jack only, it is still possible to connect this unit to your TV by using an RF modulator.

In this case, follow the instructions below.

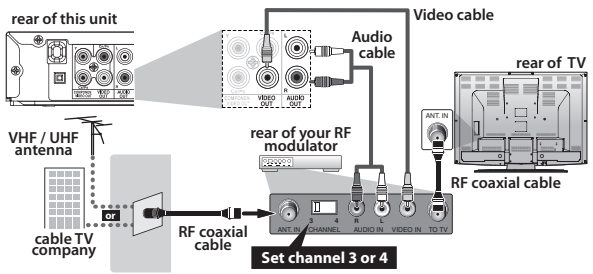
1) Disconnect the power cords of the devices from the AC outlet.

2) Make the connection as illustrated below.

3) Set your RF modulator's channel 3/4 switch to either 3 or 4, whichever the TV channel is least used in your area. If your RF modulator has a modulator / antenna switch, set it according to the manual supplied with the RF modulator.

4) Plug in the power cords of the devices to the AC outlet.

5) Turn on your TV and choose the same channel as you set the RF modulator's channel 3/4 switch to. For more details, follow the manual supplied with the RF modulator.



Note:

- RF modulator is not supplied with this unit. You need to purchase it at your local store.
- The quality of picture may become poor if this unit is connected to an RF modulator.

Contents

PRECAUTIONS

IMPORTANT SAFETY INSTRUCTIONS ***2***
About the Discs ***5***
Playable Discs. 5
Unplayable Discs. 5

SETUP

Connections ***6***
Rear Terminals. 6
Connection to a TV. 7
HDMI Audio. 8
HDMI Mode and Actual Output Signals. 8
Connection to an Audio System. 8
About the Remote Control ***9***
Remote Control. 9
Installing the Batteries for the Remote Control. 9

DVD FUNCTIONS

Playback ***10***
JPEG Playback ***11***
Search Functions ***11***
Using Track / File Search. 11
Using Title / Chapter Search. 11
Using Time Search. 11
On-Screen Display ***12***
Repeat / Random Playback ***13***
Repeat Playback. 13
Repeat A-B Playback. 13
Random Playback. 13
Special Settings ***14***
Subtitle Language. 14
Audio Language. 14
Camera Angles. 14
DVD Setting ***15***
System Setting. 16
Language Setting. 17
Audio Setting. 18
Video Setting. 19
Other Setting. 20

INFORMATION

Troubleshooting Guide ***21***
Specifications ***21***
Español ***22***
LIMITED WARRANTY ***23***

PRECAUTIONS
SETUP
DVD FUNCTIONS
INFORMATION
Español

FUNAI

© 2013 Funai Electric Co., Ltd.

If you need additional operating assistance after reading this owner's manual, please call

TOLL FREE : 1-877-393-8624

or visit our web site at
www.funaiamerica.com/support

PRECAUTIONS

The model and serial numbers of this unit may be found on the cabinet. You should record and retain those numbers for future reference.

Model No.: _____

Serial No.: _____

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.
APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated"dangerous voltage"within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The important note and rating are located on the rear or bottom of the cabinet.

The symbol for CLASS II (Double Insulation)

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments / accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio / TV technician for help.

Disconnect the mains plug to shut off when find trouble or not in use. The mains plug shall remain readily operable.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
WARNING: Batteries (Battery pack or battery installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

LASER SAFETY

This apparatus is classified as a CLASS 1 LASER PRODUCT.
This apparatus employs a laser. Only a qualified service person should remove the cover or attempt to service this apparatus, due to possible eye injury.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

IMPORTANT COPYRIGHT INFORMATION

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited. This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Do not place the unit on the furniture that is capable of being tilted by a child and an adult leaning, pulling, standing or climbing on it. A falling unit can cause serious injury or even death.

This apparatus should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. Make sure to leave a space of 3.9 inches (10cm) or more around this apparatus.

Never use a gas duster on this unit.
The gas trapped inside of this unit may cause ignition and explosion.

To Avoid the Hazards of Electrical Shock and Fire

- Do not handle the AC power cord with wet hands.
- Do not pull on the AC power cord when disconnecting it from an AC outlet. Grasp it by the plug.
- Do not put your fingers or objects into the unit.

Location and Handling

- Do not install the unit in direct sunlight, near strong magnetic fields, or in a place subject to dust or strong vibration.
- Avoid a place with drastic temperature changes.
- Install the unit in a horizontal and stable position. Do not place anything directly on top or bottom of the unit. Depending on your external devices, noise or disturbance of the picture and / or sound may be generated if the unit is placed too close to them. In this case, please ensure enough space between the external devices and the unit.
- Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.
- Be sure to remove the disc and unplug the AC power cord from the outlet before carrying the unit.

Dew Condensation Warning

- Dew condensation may form inside the unit in the following conditions. If so, do not use this unit at least for a few hours until its inside gets dry.
  – The unit is moved from a cold place to a warm place.
  – Under conditions of high humidity.
  – After heating a cold room.

Note about Recycling

- This unit's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.
- Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.
- For product recycling information, please visit - www.funaiamerica.com

Notice for Progressive Scan Output

- Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of picture problems with 525(480) progressive scan output, it is recommended that the user switch the connection to the 'standard definition' output.

TRADEMARK INFORMATION

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

is a trademark of DVD Format / Logo Licensing Corporation.

SYMBOLS USED IN THIS MANUAL

The following symbols appear in some headings in this manual.

: Description refers to DVD-video.

: Description refers to audio CD.

: Description refers to DVD, CD-RW/-R with JPEG files.

MAINTENANCE

Servicing

- Please refer to relevant topics on the "Troubleshooting Guide" on page 21. If you cannot find any solution there, our service center is pleased to assist you.
- Even if this unit becomes inoperative, do not open cabinet to repair by yourself. There is no user-serviceable parts inside. Turn off the unit, unplug the power plug and then call our support center mentioned on the front page.
  Before call, please check model name and serial number pasted on the unit.

Cleaning the Cabinet

- Wipe the front panel and other exterior surfaces of the unit with a soft cloth.
- Never use a solvent, thinner, benzene or alcohol to clean the unit. Do not spray insecticide liquid near the unit.
  Such chemicals may discolor the surface or damage the unit.

Cleaning Discs

- When a disc is dirty, clean it with a cleaning cloth. Wipe the disc from the center to out. Do not wipe in a circular motion.
- Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for analog records.

Cleaning the Disc Lens

Depends on unit circumstances, the laser optical pickup unit may get dirty.
If this unit still does not perform properly although you refer to the relevant sections and to "Troubleshooting Guide" in this owner's manual, consult a local dealer or an authorized service center for inspection and cleaning of it.

Disc Handling

- When you handle a disc, hold it by its edge and try not to touch the surface of the disc.
- Always store the disc in its protective case when not in use.

FUNAI is a registered trademark of Funai Electric Co., Ltd. and may not be used in any way without the express written consent of Funai.

© 2013 Funai Electric Co., Ltd.

All rights reserved. No part of this manual may be reproduced, copied, transmitted, disseminated, transcribed, downloaded or stored in any storage medium, in any form or for any purpose without the express prior written consent of Funai. Furthermore, any unauthorized commercial distribution of this manual or any revision hereto is strictly prohibited.

Information in this document is subject to change without notice. Funai reserves the right to change the content herein without the obligation to notify any person or organization of such changes.

About the Discs

Playable Discs

Type of media	Mark (logo)	Region code	Recorded signals	Disc size	Disc types
DVD-video *1, 2, 4, 6, 8	DVD VIDEO	or	digital video (MPEG2)	5 inches (12 cm) or 3 inches (8 cm)	DVD-Video e.g.) title 1 / title 2 chapter 1 chapter 2 chapter 3 chapter 4 chapter 1 chapter 2
DVD-RW DVD-R *1, 3, 4, 5, 6, 7, 8	DVD RW DVD R	—	digital video (MPEG2) or JPEG		DVD e.g.) title 1 / title 2 chapter 1 chapter 2 chapter 3 chapter 4 chapter 1 chapter 2 JPEG e.g.) folder 1 / folder 2 file 1 file 2 file 3 file 4 file 1 file 2
audio CD *4, 6, 8	COMPACT disc DIGITAL AUDIO	—	digital audio	5 inches (12 cm) or 3 inches (8 cm)	audio CD e.g.) track 1 track 2 track 3 track 4 track 5 track 6
CD-RW CD-R *4, 5, 6, 7, 8	COMPACT disc DIGITAL AUDIO ReWritable / Recordable	—	digital audio or JPEG		JPEG e.g.) folder 1 / folder 2 file 1 file 2 file 3 file 4 file 1 file 2

DVD is a trademark of DVD Format / Logo Licensing Corporation.

If you cannot play back a disc which bears one of the marks above, check the following notes.

*1: This unit conforms to the NTSC color system. Discs recorded in other color systems such as PAL cannot be played back.
*2: Certain DVD-video do not operate as described in this manual due to the intentions of the disc's producers.
*3: Discs recorded in the VR (Video Recording) format cannot be played back.
*4: Scratched or stained discs may not be played back.
*5: Some discs cannot be played back because of incompatible recording conditions, characteristics of the recorder or special properties of discs.
*6: You can play back discs which bear the marks above. If you use non-standardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
*7: If the recorded portion of the disc is too small (smaller than 2-3/16 inches (55mm) across), it may not be played back.
*8: Do not glue paper or put stickers on to the disc. These may damage the disc, and the unit may not read it correctly.

Unplayable Discs

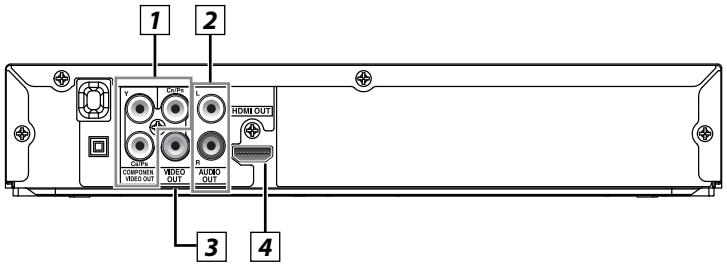
NEVER play back the following discs as malfunction may result!
DVD-audio / DVD-RAM / DVD-ROM for personal computers / DVD with region codes other than 1 or ALL
CD-ROM for personal computers / HD DVD / Blu-ray Disc™ / photo CD / CD-i / SACD
Any other discs without compatibility indications

Note:

- Only the sound recorded on the normal CD layer can be delivered. The sound recorded on the high density super audio CD layer cannot be delivered.

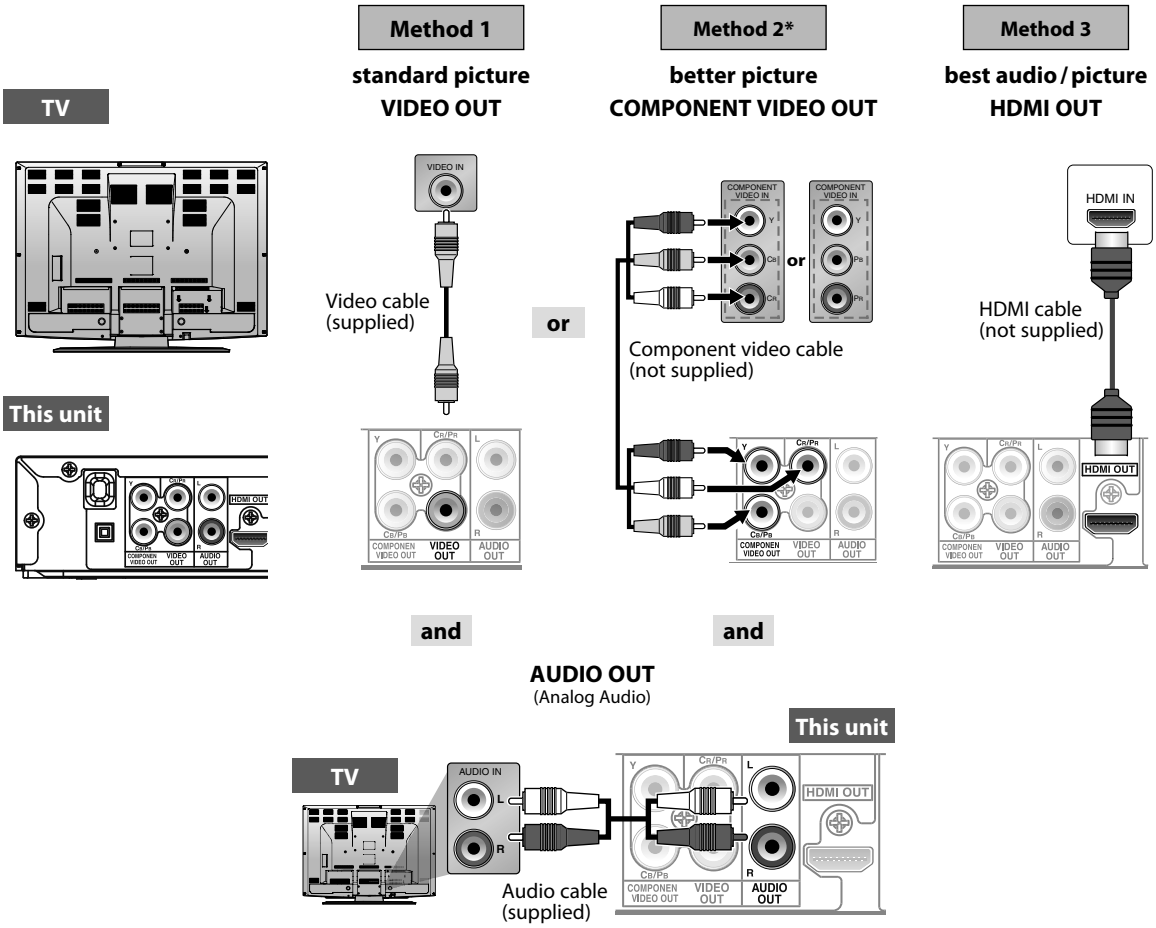
Connections

Rear Terminals



1 COMPONENT VIDEO OUT jacks	Connect a component video cable here through the component video input jacks of a television.
2 AUDIO OUT jacks	Connect an audio cable here through the audio input jacks of a television or other audio device.
3 VIDEO OUT jack	Connect a video cable here through the video input jack of a television.
4 HDMI OUT jack	Connect a TV / AV receiver / amplifier or other device with an HDMI compatible port with an HDMI cable.

Connection to a TV



* This unit is compatible with the progressive scan system. The feature provides you with the higher quality pictures than traditional output system does. To utilize this feature, a component connection is required. Refer to "Resolution" setting on page 16 or "Progressive" setting on page 16 to set the video resolution.

Supplied cables used in this connection are as follows:
- Audio cable (L/R) × 1
- Video cable × 1

Please purchase the rest of the necessary cables at your local store.

Note:
- Connect this unit directly to your TV.
  If Audio / Video cables are connected to a VCR, pictures may be distorted due to the copy protection system.

If your TV is compatible with 525 (480) progressive scanning and you want to enjoy that high quality picture;
You must select the connection COMPONENT VIDEO OUT above and progressive scanning mode. To set the mode, set "Progressive" to "On" in "SYSTEM" menu. Refer to pages 16 for more details.
- When "Progressive" is "On", video signals from the unit's VIDEO OUT jack will be distorted or not be output at all.
- When you make a selection, the TV monitor temporarily goes blank and then comes back again.
  If it does not, press and hold **[► (PLAY)]** on the front panel for 5 seconds to change the setting of the resolution back to its default.

If your TV is not compatible with progressive scanning;
Use this unit in interlace mode and set "Progressive" to "Off" in "SYSTEM" menu or by pressing and holding **[► (PLAY)]** on the front of the unit for more than 5 seconds.

After connecting to your TV:
You will need to find the viewing channel (external input channel) on your TV.
Please refer to your TV's owner's manual for details.

SETUP

HDMI Audio

Media	Audio Recording Format	HDMI Audio Setting	
		Bitstream	PCM
DVD-Video	Dolby Digital	Dolby Digital	2ch PCM
	DTS	DTS	Mute
	MPEG	2ch PCM	2ch PCM
	LPCM	2ch PCM	2ch PCM
audio CD	2ch PCM	2ch PCM	2ch PCM
DTS-CD	DTS	DTS	Mute

HDMI Mode and Actual Output Signals

You can change the resolution of the video signal being output from the HDMI OUT in "SYSTEM" menu. (Refer to page 16.)

Copyright protection system
To play back the digital video images of DVD-video via an HDMI connection, it is necessary that both the player and the display device (or an AV receiver / amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system). HDCP is copy protection technology that comprises data encryption and authentication of the connected AV device. This unit supports HDCP.
Please read the operating instructions of your display device (or AV receiver / amplifier) for more information.

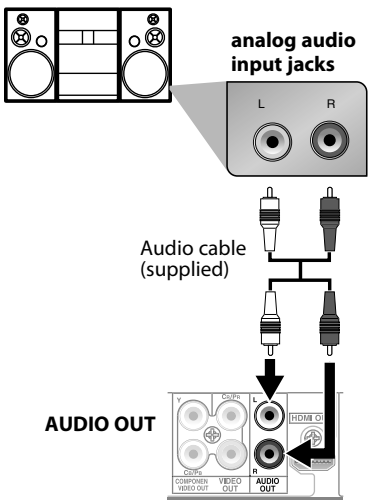
Note:
- When using HDCP-incompatible display device, the picture will not be viewed properly.
- The audio signals from the HDMI jack (including the sampling frequency, the number of channels and bit length) may be limited by the device that is connected.
- Among the display device(s) that support HDMI, some do not support audio output (for example, projectors). In connections with device such as this unit, audio signals are not output from the HDMI output jack.
- When this unit's HDMI jack is connected to a DVI-D compatible display device(s) (HDCP compatible) with an HDMI-DVI converter cable, the signals are output in digital RGB.
- When you make a selection, the TV monitor temporarily goes blank and then comes back again. If it does not, press and hold **[► (PLAY)]** on the front panel for 5 seconds to change the setting of the resolution back to its default.

Connection to an Audio System

Analog Audio Connection

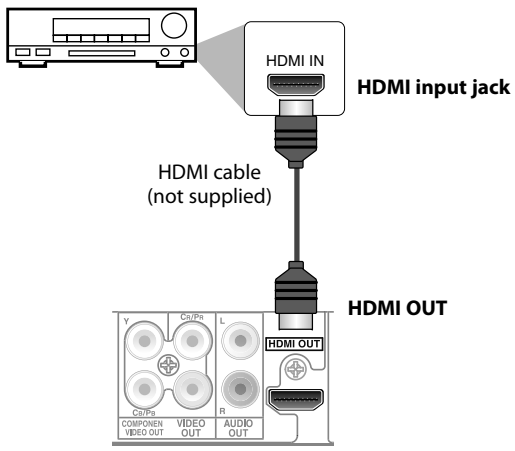
Stereo system with analog audio input jacks

Audio



Digital Audio Connection

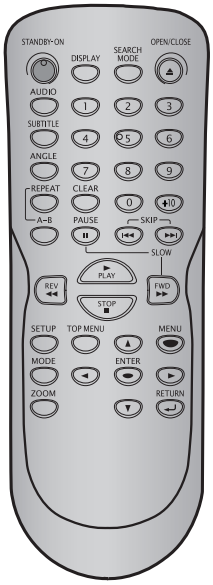
AV receiver / amplifier with an HDMI input jack



Supplied cables used in this connection are as follows:
• Audio cable (L/R) × 1
Please purchase the rest of the necessary cables at your local store.

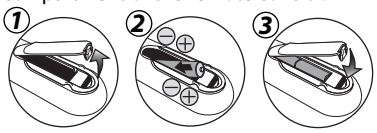
About the Remote Control

Remote Control



Installing the Batteries for the Remote Control

Install 2 AA (1.5V) batteries matching the polarity indicated inside battery compartment of the remote control.

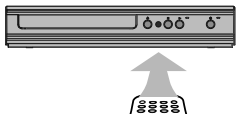


*** Batteries not supplied.**

Keep in mind the following when using the remote control:

- Make sure that there are no obstacles between the remote control and the remote sensor on the unit.
- The maximum operable ranges from the unit are as follows.

– **Line of sight:**
approx. 23 feet (7m)
– **Either side of the center:**
approx. 16 feet (5m) within 30°
– **Above:** approx. 16 feet (5m) within 15°
– **Below:** approx. 10 feet (3m) within 30°



Note:

- Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.
- Do not mix old and new batteries.
- Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

Button (Alphabetical order) \ Media	DVD	CD / JPEG
0–9, +10	• To enter values in the input field.	
	• To select chapter or title directly.	• To select track directly. (CD) • To select file directly. (JPEG)
▲▼◄►	• To move the cursor and determine its position.	
	—	• To switch between pages when a file list is displayed. • To rotate the picture during playback of JPEG files. (JPEG)
A–B	• To repeat between your chosen point of A and B. (DVD) (CD)	
ANGLE	• To select camera angles on a disc.	—
AUDIO	• To select audio language on a disc.	—
CLEAR	• To clear the A-point for A-B repeat. (DVD) (CD) • To clear the incorrect number once entered on search mode.	
DISPLAY	• To display the current disc information.	
ENTER	• To select items or settings.	
REV / FWD	• To search forward/backward through a disc. (×2, ×4, ×8, ×20) (DVD) (CD)	
	• To begin slow forward playback in the pause mode.	—
MENU	• To call up the menu on a disc.	• To display the thumbnail when a disc with JPEG files is inserted and the file is highlighted. (JPEG)
MODE	—	• To play back randomly. (CD)
OPEN/CLOSE	• To open or close the disc tray. • To turn on the unit.	
PAUSE	• To pause disc playback.	
	• To advance playback one frame at a time.	—
PLAY	• To start playback or resume playback.	
REPEAT	• To play back a chapter, title or disc repeatedly.	• To play back repeatedly.
RETURN	• To call up the menu when playing back a disc.	• To return to the file list when thumbnail is displayed. (JPEG)
SEARCH MODE	• To search chapter, title or time.	• To search tracks or files. • To search time. (CD)
SETUP	• To call up the setup menu.	
SKIP	• To skip chapters or titles.	• To skip tracks. • To switch between pages when thumbnail is displayed. (JPEG).
STANDBY-ON	• To turn the unit on or to turn the unit into the standby mode. (To completely turn off the unit, you must unplug the AC power cord.)	
STOP	• To stop playback.	
SUBTITLE	• To select subtitle language on a disc.	—
TOP MENU	• To call up the title menu on a disc.	—
ZOOM	• To magnify part of a picture. (×1.5, ×2, ×2.5) (DVD) (JPEG)	

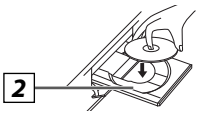
DVD FUNCTIONS

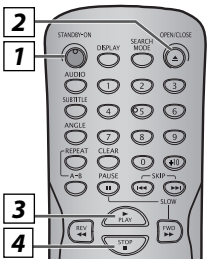
Please note :
- Most instructions in this manual refer to remote control use.
- This unit will automatically turn on the screen saver after 5 minutes of inactivity and into the standby mode after 25 minutes of inactivity.

Playback

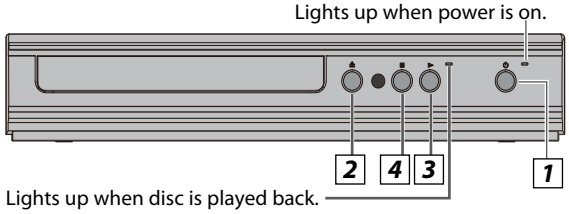
Before:
Turn on the TV, amplifier and any other device which are connected to this unit. Make sure the TV and audio receiver (not supplied) are set to the correct channel.

DVD CD
(JPEG ⇨ on page 11)





1. Press **[STANDBY-ON]** to turn on this unit.
2. Press **[OPEN / CLOSE ⏏]** and insert a disc with label facing up.
3. Press **[PLAY►]** to start playback.
4. Press **[STOP■]** to stop playback.



Note:
- When you play back a DVD or CD-RW/-R with JPEG files, refer to details on page 11.
- "⃠This operation is not available" may appear at the top-left on the TV screen when the operation is prohibited by the disc or this unit.
- Some DVD may start playback from title 2 or 3 due to specific programs.
- During the playback of a 2-layered disc, pictures may stop for a moment. This happens while the 1st layer is being switched to the 2nd layer. This is not a malfunction.
- You can change the on-screen language in "OSD" setting. (Refer to page 17.)

Disc Menu

DVD

Some discs contain menus which allow you to customize DVD playback. Use **[▲ / ▼ / ◄ / ►]** to select an item, then press **[ENTER]** or **[PLAY►]**.

Calling Up a Menu Screen during Playback

DVD

- Press **[MENU]** to call up the disc menu.
- Press **[TOP MENU]** to call up the title menu.

Note:
- Menu operations may vary depending on the disc. Refer to the manual accompanying the disc for more details.

Resume Playback

DVD CD

Press **[STOP■]** during playback. Resume icon will appear at the top-left on the TV screen. Press **[PLAY►]**, playback will resume from the point at which playback was stopped.

PRE STOP►■

Note:
- To cancel resume, press **[STOP■]** one more time in the stop mode.
- The resume playback information stays on even when the power is turned off, as long as the disc stays in the unit.

Paused and Step-by-Step Playback

DVD CD JPEG

Press **[PAUSE❚❚]** during playback.
To continue playback, press **[PLAY►]**.

❚❚

DVD

The disc goes forward by one frame each time **[PAUSE❚❚]** is pressed in the pause mode.
To continue playback, press **[PLAY►]**.

Fast Forward / Reverse Search

DVD CD

Use **[FWD►►]** or **[REV ◄◄]** repeatedly during playback to select the required forward or reverse speed.
To continue playback, press **[PLAY►]**.

►► X2

Note:
- Fast forward or reverse search speed is different depending on the disc. Approximate speed is ×2, ×4, ×8 and ×20.

Slow Forward Search

DVD

Press **[FWD►►]** repeatedly **in the pause mode** to select the required forward speed.
To continue playback, press **[PLAY►]**.

SF 1/2

Note:
- Slow forward speed is different depending on the disc. Approximate speed is ×1/2, ×1/4 and ×1/8.

Zoom

DVD JPEG

1) Press **[ZOOM]** repeatedly during playback to select the required zoom factor: ×1.5, ×2 or ×2.5.
2) Use **[▲ / ▼ / ◄ / ►]** to slide the zoomed picture across the TV screen.
3) To exit zoom function, press **[ZOOM]** repeatedly to select "ZOOM 1"(Off).

ZOOM 2

Note:
- Zooming function does not work while the disc menu is displayed.
- Some part of the picture may not be zoomed depending on the disc or playback status.

JPEG Playback

JPEG is a method of compressing files.
You can copy JPEG files on DVD or CD-RW/-R from the computer and play back the files on this unit.

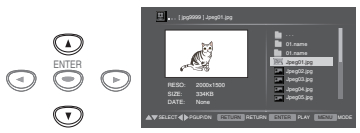
JPEG

Insert a JPEG format disc, then the file list will automatically appear on the TV screen. (For a disc with JPEG files only)

This unit recommends the files recorded under the following circumstances:

Applicable JPEG file	Remarks
Normal playback Pixel upper limit: 6,000 × 6,000 pixel Pixel lower limit: 96 × 96 pixel	A JPEG image that extends beyond the screen is reduced so that it will be displayed within the screen.

1 Select the desired folder or file.



2 Press **[ENTER]** or **[PLAY►]**.
Playback will start from the first file of the folder or files.

Note:

- Some selections may take a while to be recognized.
- Refer to "On-Screen Display" on page 12 for more details.
- A maximum of 189 folders or 9999 files may be recognized on one disc. (ISO9660 format files)
  For UDF format files recorded on DVD Media, maximum of 2,000 files may be recognized.
  It may take a while to switch between pages for a file list.
- Up to 8 hierarchies can be recognized in one folder.
  File in the 9th or deeper hierarchies cannot be played back.
- To rotate the picture, press cursors during playback of JPEG files.

Search Functions

Using Track / File Search

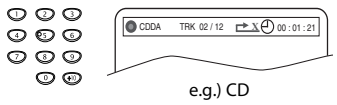
CD JPEG

Using [SEARCH MODE]

1 SEARCH MODE

Available Search Mode	Displayed list
Track Search	CD
File Search	File list / Thumbnail JPEG

2 Enter the desired track / file number.



e.g.) CD

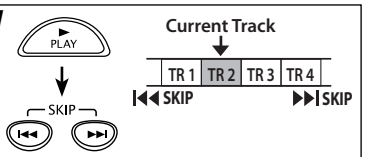
3 Press **[ENTER]**.

- Displayed digit differs depending on the contents. Press the number directly. The same number of digits that are stored on the disc must be entered.
  e.g.)
  – If you want to select 14 when 99 (2-digit) tracks / files are on the disc : press **[1]**, **[4]** and **[ENTER]**.
  – If you want to select 14 when 999 (3-digit) tracks / files are on the disc : press **[0]**, **[1]**, **[4]** and **[ENTER]**.

Using [SKIP |◄◄ , ►►|]

CD

1



Note:

- The random playback will be cleared when you select track search during random playback.

Using Title / Chapter Search

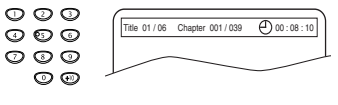
DVD

Using [SEARCH MODE]

1 SEARCH MODE

- Press **[SEARCH MODE]** once for the title search.
- For the chapter search, press cursor **[►]** to highlight the chapter number.

2 Enter the desired title or chapter number.

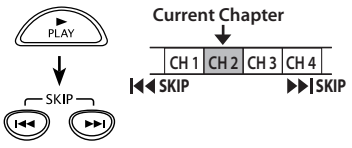


3 Press **[ENTER]**.

- Title number is displayed with 2-digit, Chapter number is displayed with 3-digit. Press the number directly.
  e.g.)
  – for title 4/99, press **[0]**, **[4]** and **[ENTER]**.
  – for chapter 14/999, press **[0]**, **[1]**, **[4]** and **[ENTER]**.

Using [SKIP |◄◄ , ►►|]

1



Note:

- Depending on the disc being played back, this function can also be performed by directly entering the desired chapter number with **[the Number buttons]**. Refer to the manual accompanying the disc.

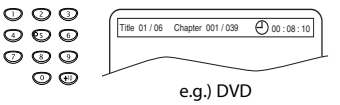
Using Time Search

DVD CD

1 SEARCH MODE → ENTER

Press cursor **[►]** to highlight the time.

2 Enter the desired time.



e.g.) DVD

3 Press **[ENTER]**.

Note:

- To play time 00:15:00, press **[0]**, **[0]**, **[1]**, **[5]**, **[0]**, **[0]** of **[the Number buttons]**.
- Press **[CLEAR]** to erase the incorrect input at step 2.
- The random playback will be cleared when you select time search during random playback (for CD only).

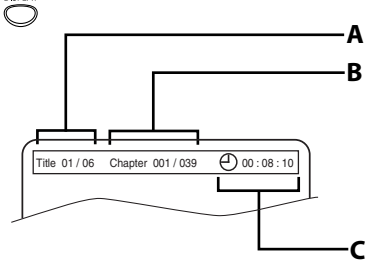
DVD FUNCTIONS

On-Screen Display

You can check the information about the current disc by pressing **[DISPLAY]**.

DVD

1 DISPLAY

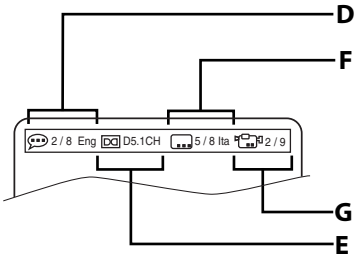


A: current title number / total titles

B: current chapter number / total chapters

C: elapsed time of the current time

2 DISPLAY



D: currently selected language / total languages

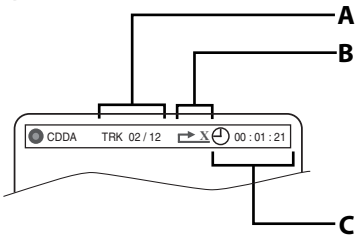
E: current audio

F: currently selected subtitle / total subtitles

G: currently selected angle / total angles

CD

1 DISPLAY



A: current track number / total tracks

B: current repeat mode

Off ;

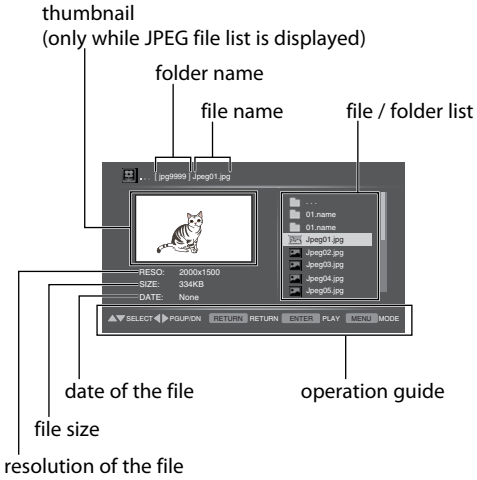
Track repeat ;

Repeat All ;

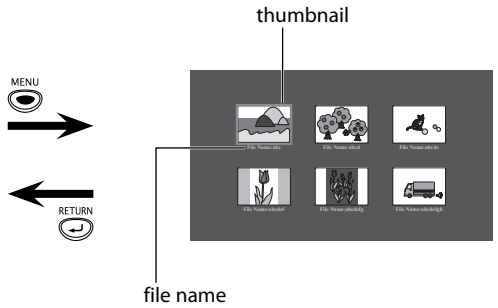
C: elapsed time of the current time

JPEG

Insert a JPEG format disc, then the file list will automatically appear on the TV screen.



Press **[MENU]** to display the thumbnail screen while an available file is highlighted.



Press **[SKIP|◀◀]** or **[SKIP▶▶|]** to switch between pages.
Press **[RETURN]** to go back to the file list.

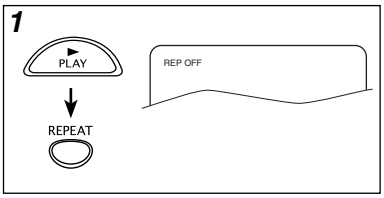
DVD FUNCTIONS

Repeat / Random Playback

Repeat Playback

DVD CD JPEG

Repeat function is available only during playback.



Each time you press **[REPEAT]**, repeat function changes as example below.

DVD

REP OFF (repeat off)
↓
REP CHAPTER (current chapter repeat)
↓
REP TITLE (current title repeat)
↓
REP ALL (entire disc repeat)

CD

REP OFF (repeat off)
↓
REP 1 (current track repeat)
↓
REP ALL (entire disc repeat)

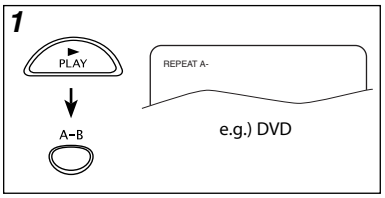
JPEG

REP OFF (repeat off)
↓
REP 1 (current track repeat)
↓
REP DIR (current folder repeat)
↓
REP ALL (entire disc repeat)

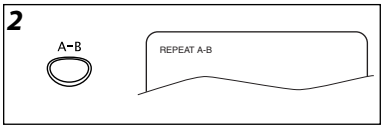
Repeat A-B Playback

DVD CD

Repeat function is available only during playback.



Press **[A-B]** at your desired starting point. (A)
- To cancel point A, press **[CLEAR]**.



Press **[A-B]** again at your desired ending point. (B)
- Point B should be in the same title or track as point A.

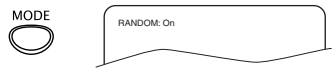
Note:
- To exit the sequence, press **[A-B]** so that "A-B CANCEL" appears.
- This function does not work in the other repeat modes.

Random Playback

CD

This function shuffles the playing tracks instead of playback in the sequence.

1 Press **[MODE]**.



Random playback will start.

Note:
- During random playback, you cannot go back to the previous track. Press **[SKIP▶▶|]** to search tracks or files randomly.

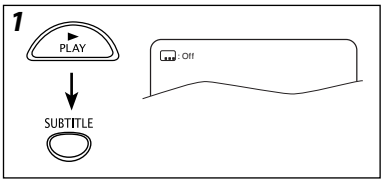
DVD FUNCTIONS

Special Settings

Subtitle Language

DVD

This unit allows you to select a subtitle language **(if available)** during DVD playback.



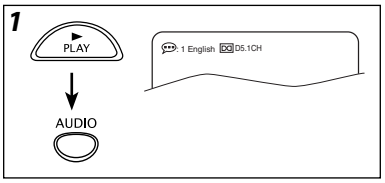
Each time you press **[SUBTITLE]**, subtitle language changes as example below.

: **Off** (no subtitle)
: **1 English** (English subtitle)
: **2 French** (French subtitle)
⋮

Audio Language

DVD

This unit allows you to select an audio language **(if multiple languages are available on disc)** during DVD playback.



Each time you press **[AUDIO]**, audio language changes as example below.

: **1 English** (English audio)
: **2 French** (Spanish audio)
: **3 Spanish** (French audio)
⋮

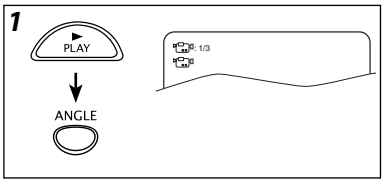
Note:

- Some discs will only allow you to change the audio setting from the disc menu. Refer to the manual accompanying the discs for details.
- If your language is not shown after pressing **[AUDIO]** several times, the disc may not have that language. However, some discs allow audio language setting on the disc menu. (Operation varies depending on the disc, so refer to the manual accompanying the disc.)

Camera Angles

DVD

Some DVD may contain scenes which have been shot simultaneously from various angles. You can change the camera angle if appears on the TV screen.



Each time you press **[ANGLE]**, camera angle changes.

DVD FUNCTIONS

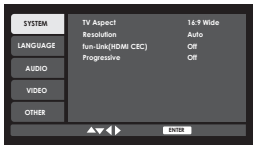
DVD Setting

You can change the settings of the unit. Setting items are displayed in gray when they are not available under the conditions at the time.

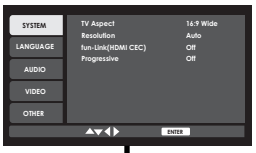
1 Press **[SETUP]**.

SETUP

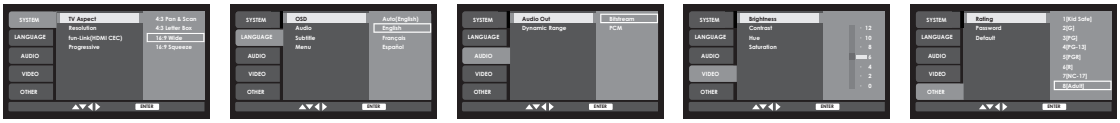
<SETUP menu>



2 Select the desired item.



SYSTEM menu | LANGUAGE menu | AUDIO menu | VIDEO menu | OTHER menu



page 16 A | page 17 B | page 18 C | page 19 D | page 20 E

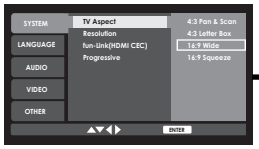
DVD FUNCTIONS

A System Setting

You can change the display functions. Follow steps 1 to 2 on page 15.

3 Select the desired item.

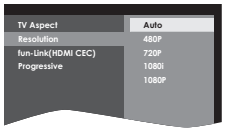
<SYSTEM menu>



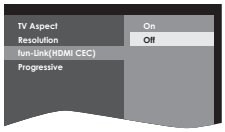
4

TV Aspect: (Default: 16:9 Wide)
Sets the aspect ratio of the playback image to fit your TV.
See the note on the right.

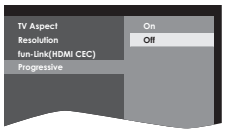
Resolution: (Default: Auto)
You can select the desired "Resolution" among the settings.
See the note on the right.



fun-Link(HDMI CEC): (Default: Off)
fun-Link (HDMI CEC) allows integrated system control over HDMI.
See the note below.



Progressive: (Default: Off)
Progressive scan makes picture quality better in case of component video connection compare to conservative interlace display.
Please make sure if your TV has progressive scan signal display function before you set it.
See the note on the right.



Select the desired setting.

5 To exit the menu

Note:

TV Aspect:
- Select "4:3 Pan & Scan" for a full height picture with both sides adjusted.
- Select "4:3 Letter Box", so that black bars may appear on the top and bottom of the TV screen.
- Select "16:9 Wide" if a wide-screen TV is connected to this unit.
- Select "16:9 Squeeze" to display 4:3 aspect ratio in the center of the 16:9 screen when playing back 4:3 images.

Resolution:
– **Auto:**
HDMI video resolution will be selected automatically depending on the connected HDMI device.
- When you make a selection, the TV monitor temporarily goes blank and then comes back again. If it does not, press and hold **[►(PLAY)]** on the front panel for 5 seconds to change the setting of the resolution back to its default.

Progressive:
- When "Progressive" is "On", video signals from the unit's VIDEO OUT jack will be distorted or not be output at all.
- You can set "Progressive" to "Off" in "SYSTEM" menu or press and hold **[►(PLAY)]** on the front of the unit for more than 5 seconds during playback.
- You cannot change "Progressive" setting while "Resolution" in "SYSTEM" menu is set to "1080i".

Note:

fun-Link (HDMI CEC):
- fun-Link (HDMI CEC) allows integrated system control over HDMI and is part of the HDMI standard.
  This function may not work properly depending on the device connected to the unit.
  When "fun-Link (HDMI CEC)" setting is set to "On" the functions listed below will be available.
  - One Touch Play
    When the buttons below on the remote control are pressed then operations are performed on this unit, the TV will automatically be turned on and switched to the appropriate video input.
    Buttons for one touch play:
    - [PLAY ►], [SKIP |◄◄,►►|], [the NUMBER buttons], [DISPLAY], [SETUP]
    - [TOP MENU], or **[MENU]** (when a disc is inserted in the unit)
  - One Touch Standby
    When you press and hold **[STANDBY-ON]** for 2 seconds, it turns off the TV first and then turns off this unit.
    When the connected fun-Link (HDMI CEC) compatible display device is turned off first, it then turns off the power to this unit.
  - System Information
    Get & Set Menu Language
    The unit recognizes the OSD language set on the TV and automatically sets the same language as the on-screen language in "OSD" setting.
    Feature is available only when "OSD" in "LANGUAGE" menu is set to "Auto" while connected via an HDMI cable.

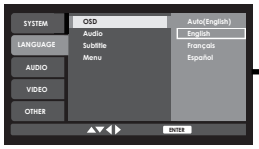
DVD FUNCTIONS

B Language Setting

Follow steps 1 to 2 on page 15.

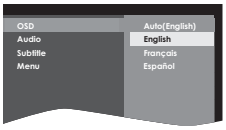
3 Select the desired item.

<LANGUAGE menu>

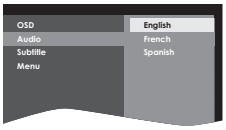


4

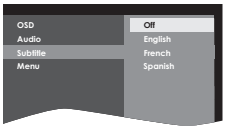
OSD: (Default: English)
Sets the language for the on-screen display.



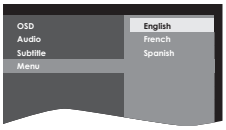
Audio: (Default: English) *1 *2
Sets the audio language.



Subtitle: (Default: Off) *1 *2
Sets the subtitle language.



Menu: (Default: English) *1
Sets the language in DVD menu.



Select the desired language.

ENTER

5 To exit the menu

SETUP

Note:

***1**

- Language options are not available with some discs.
- Only the languages supported by the disc can be selected.

***2**

- "LANGUAGE" setting for "Audio" and "Subtitle" are not available with some discs. Then press **[AUDIO]** and **[SUBTITLE]**. Details are on page 14.

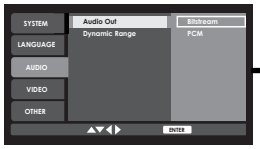
DVD FUNCTIONS

C Audio Setting

Choose the appropriate audio settings for your device. It only affects during the playback of DVD. Follow steps 1 to 2 on page 15.

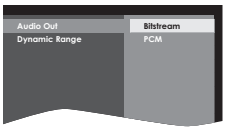
3 Select the desired item.

<AUDIO menu>

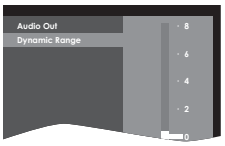


4

Audio Out: (Default: Bitstream)
Set to "Bitstream" when the unit is connected to a Dolby Digital decoder.
– Bitstream: outputs a Dolby Digital signals.
– PCM: convert the Dolby Digital into PCM (2 channel).



Dynamic Range
Adjusts for clarity even when the volume is low through compressing the range of the lowest sound level and the highest sound level.



Select the desired setting.

5 To exit the menu

Note:

Audio Out:
– Bitstream:
Connecting to a Dolby Digital decoder for Dolby Digital audio output.
The multi-channel audio signals are output from HDMI OUT jack with Bitstream or LPCM.
– PCM:
Connecting to the other device (an MD deck or DAT deck etc.) without Dolby Digital decoder.
Convert the Dolby Digital into LPCM (2 channel).
• This unit does not support DTS audio.
This is not a malfunction.
You need to set this unit to "Bitstream" and also need to connect to the TV or amplifier that supports DTS, then the audio will be output as DTS.
It is available only when connected via an HDMI cable.

D Video Setting

You can change the video functions. Follow steps 1 to 2 on page 15.

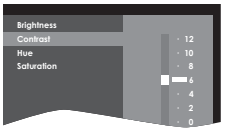
3 Select the desired item.

<VIDEO menu>

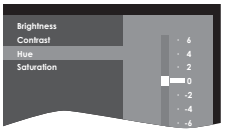
4

Brightness
Adjusts the brightness.

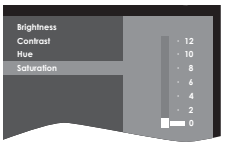
Contrast
Adjusts the contrast.



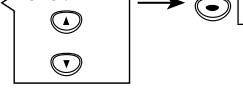
Hue
Adjusts the color tone.



Saturation
Adjusts the saturation.



Adjust to the desired level.



5 To exit the menu

Note:

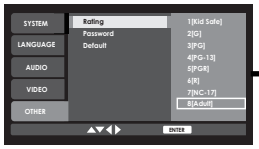
- The horizontal white bars indicate the default setting.
- The settings will remain effective even if the unit is switched into the standby mode.
- The effect of picture adjustment may differ depending on the connected TV.

E Other Setting

Follow steps 1 to 2 on page 15.

3 Select the desired item.

<OTHER menu>

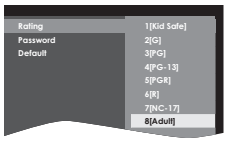


4

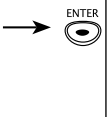
Rating: (Default: 8[Adult])
Sets the rating level for the disc playback.

Rating settings allows you to set the rating levels of your DVD. Playback will stop if the ratings exceed the levels you set.

- The rating level can be changed when a password has not been set yet for the first time use.
- If you have set a password already, "Rating" cannot be selected.



Select the desired rating.



Password:
Sets the password for "Rating" and "Default" settings.

– ***For the first time use.***

- This number will be used as the password. Record in case you forget it.
- Press cursor **[◀]** to erase if you input the incorrect number.

Enter any 4-digit number using **[the Number buttons]** (except for 4737).

– ***A password has been set already.*** (🔒 is displayed.)

Enter your 4-digit password using **[the Number buttons]**.

Default:
Reset to default setting.

- "Default" is not selected if you have set a password already.

5 To exit the menu

Note:

Password:

- If you forget the password, press **[4]**, **[7]**, **[3]**, **[7]** at step 4, then enter your new password.
- Playback will stop if the ratings exceed the levels you set, it will require you to enter a password before the disc will play back.
- This function is available only when 🔒 is displayed.

Default:

- When you do not wish to initialize, press **[SETUP]** to exit the menu at step 4.

DVD FUNCTIONS

Troubleshooting Guide

If the unit does not perform properly when operated as instructed in this owner's manual, refer to the following.

Problem	Corrective action
No power.	– Check if the AC power cord is properly connected. – Unplug the outlet once, and wait for 5-10 seconds and then plug it in again.
No sound or picture.	– Check if the TV is switched on. – Check the video connection. – Check the audio / video cable connections to the TV. (Refer to page 7.) – Check whether the connected TV or other device supports HDCP. (This unit will not output a video signal unless the other device supports HDCP.) – Press and hold **[►(PLAY)]** on the front panel for 5 seconds to change back to default output.
Distorted picture.	– Sometimes a small amount of picture distortion may appear. This is not a malfunction. – Connect the unit directly to the TV. – Set "Progressive" correctly in "SYSTEM" menu. Turn it "On" only if your TV has progressive scan and you are using the component video connections between the unit and the TV. Disable progressive scan for all other connections. (Refer to page 16.)
Completely distorted picture or black / white picture with DVD.	– Connect this unit directly to the TV. – Make sure the disc is compatible with the unit.
No sound or distorted sound.	– Adjust the volume. – Check that the speakers are connected correctly.
No DTS audio is output.	– This unit does not support DTS audio. This is not a malfunction. – You need to set this unit to "Bitstream" in "AUDIO" menu and also need to connect to the TV or amplifier that supports DTS, then the audio will be output as DTS. It is available only when connected via an HDMI cable.
Picture freezes momentarily during playback.	– Check the disc for fingerprints / dirty and clean with a soft cloth wiping from center to edge.
Disc cannot be played back.	– Clean the disc. – Ensure the disc is inserted in correct direction. – Insert a correct disc that plays back on this unit. – Check if the disc is defective by trying another disc. – Check if the parental exceed the levels you set in "Rating" setting. (for DVD only) – Handle a disc with special care so that it does not have fingerprints, scratches, or dusts on its surface.
No return to start-up screen when disc is removed.	– Turn off the unit once and then restart.
The unit does not respond to the remote control.	– Aim the remote control directly at the sensor on the front panel. – Reduce the distance to the unit. – Replace the batteries in the remote control. – Re-insert the batteries with their polarities (+/– signs) as indicated. – Press and hold any button on remote control toward a digital camera. The remote control is working if you confirm infrared light through the digital camera.
Buttons do not work or the unit stops responding.	– Please attempt to reset the unit to unplug the AC cable from wall outlet and then plug it again after 5-10 seconds.
The unit does not respond to some operating commands during playback.	– Operations may not be permitted by the disc. Refer to the instructions of the disc.
The unit cannot read CD / DVD.	– Use a commonly available cleaning CD / DVD to clean the lens before sending the unit for repair.
Angle does not switch.	– The angle cannot be switched for DVD which do not contain multiple angles. In some cases multiple angles are only recorded for specific scenes.
The password for rating level has been forgotten.	– Enter the default password "4737", then your forgotten password will be cleared.

- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this owner's manual for more details on correct operations.
- Not all functions are available for all commercial discs.

Specifications

Output signal format:
NTSC color

Power source:
120V AC +/- 10%, 60Hz +/- 0.5%

Power consumption:
8W (standby : 0.8W)

Operating temperature:
41°F (5°C) to 104°F (40°C)

Dimensions:

W	: 11.1 inches	(280mm)
H	: 2.1 inches	(51mm)
D	: 8.3 inches	(210mm)

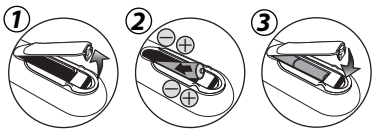
Weight:
Approx 2.47lbs. (1.12kg)

- Designs and specifications are subject to change without notice.
- If there is a discrepancy between languages, the default language will be English.

1 Conexiones

Si su televisor tiene entradas de AUDIO / VIDEO o HDMI vea la sección "Connection to a TV" en la página 7 en el manual de manejo. En caso contrario, vea la sección "Connecting to RF Modulator (Not Supplied)" en la página del frente en el manual de manejo.

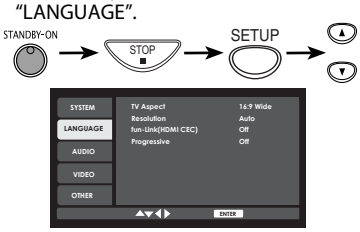
2 Instalación de las pilas en el control remoto



**** Pilas no provistas.***

3 Para cambiar el idioma en la pantalla

1 Confirme que ha seleccionado "LANGUAGE".



ENTER

2 Seleccione "OSD".

ENTER

3 Seleccione el idioma deseado para las indicaciones en la pantalla.

ENTER

4 Para salir del menú.

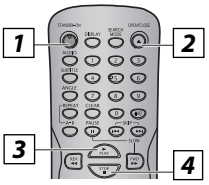
SETUP

4 Reproducción

Antes.

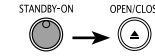
Encienda el televisor, amplificador y otros equipos conectados a esta unidad.

Asegúrese que el televisor y el sintonizador de audio (no provisto) están en el canal correcto.



DVD CD JPEG

1 Para abrir o cerrar la bandeja del disco



2 Ponga un disco con la etiqueta hacia arriba.

3 Para empezar la reproducción

4 Para parar la reproducción

5 Control remoto

Botón (Orden alfabético) / Disco	DVD	CD JPEG
	• Para especificar valores en el campo de entrada.	
	• Para seleccionar directamente el capítulo o título.	• Para seleccionar directamente la canción. (CD) • Para seleccionar la archivo directamente. (JPEG)
	• Para mover el cursor y determinar la posición.	
	—	• Para cambiar entre páginas cuando se visualiza la lista de archivos. • Para girar la imagen en la reproducción de archivos JPEG. (JPEG)
A–B	• Para repetir entre su punto A y B seleccionado. (DVD) (CD)	
ANGLE	• Para seleccionar los ángulos de la cámara en un disco.	—
AUDIO	• Para seleccionar idiomas de audio en un disco.	—
CLEAR	• Para borrar el punto para la repetición A-B. (DVD) (CD) • Para borrar el número incorrecto ingresado en el modo de búsqueda.	
DISPLAY	• Para mostrar la información del disco actual.	
ENTER	• Para seleccionar opciones o valores de configuración.	
REV FWD	• Para buscar en avance/retroceso por un disco. (×2, ×4, ×8, ×20) (DVD) (CD)	
	• Para comenzar la reproducción en cámara lenta en el modo de pausa.	—
MENU	• Para llamar el menú en un disco.	• Para visualizar la miniatura cuando insertó un disco con archivos JPEG y algún archivo está resaltado. (JPEG)
MODE	—	• Para reproducir al azar. (CD)
OPEN/CLOSE	• Para abrir o cerrar la bandeja del disco. • Para encender la unidad.	
PAUSE	• Para hacer una pausa en la reproducción.	
	• Para avanzar la reproducción un cuadro cada vez.	—
PLAY	• Para iniciar o reanudar la reproducción.	
REPEAT	• Para reproducir repetidamente un capítulo, título o disco.	• Para reproducir repetidamente.
RETURN	• Para volver al menú o pantalla anteriormente visualizado.	• Para volver a la lista de archivos mientras se visualiza la miniatura. (JPEG)
SEARCH MODE	• Para buscar un capítulo, título o tiempo.	• Para buscar pistas o archivos. • Para buscar el tiempo. (CD)
SETUP	• Para recuperar el menú de configuración.	
SKIP	• Para saltar capítulos o titulo.	• Para saltar pistas. • Cuando se visualice la miniatura, presione el interruptor entre páginas. (JPEG).
STANDBY-ON	• Para encender la unidad o para dejarla en el modo de espera. (Para apagar completamente la unidad, debe desconectar el cable de alimentacion de CA.)	
STOP	• Para parar la reproducción.	
SUBTITLE	• Para seleccionar el idioma de subtítulos de un disco.	—
TOP MENU	• Para visualizar el menú de títulos de un disco.	—
ZOOM	• Para agrandar la parte de una imagen. (×1.5, ×2, ×2.5) (DVD) (JPEG)	

FUNAI LIMITED WARRANTY

FUNAI CORP. will repair this product, free of charge in the USA in the event of defect in materials or workmanship as follows:

DURATION:

PARTS: FUNAI CORP. will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Certain parts are excluded from this warranty.

LABOR: FUNAI CORP. will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

Note: Any product sold and identified as refurbished or renewed carries a ninety (90) days labor and parts limited warranty.

LIMITS AND EXCLUSIONS:

THIS WARRANTY IS EXTENDED ONLY TO THE ORIGINAL RETAIL PURCHASER. A PURCHASE RECEIPT OR OTHER PROOF OF ORIGINAL RETAIL PURCHASE WILL BE REQUIRED TOGETHER WITH THE PRODUCT TO OBTAIN SERVICE UNDER THIS WARRANTY.

This warranty shall not be extended to any other person or transferee.

This warranty is void and of no effect if any serial numbers on the product are altered, replaced, defaced, missing or if service was attempted by an unauthorized service center. This limited warranty does not apply to any product not purchased and used in the United States.

This warranty only covers failures due to defects in material or workmanship which occur during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations or products not supplied by FUNAI CORP., or damage, which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product, or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS.

FUNAI CORP. AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES ON THE PART OF FUNAI, ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED BY FUNAI AND ITS REPRESENTATIVES IN THE UNITED STATES. ALL WARRANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY AN AUTHORIZED SERVICE CENTER.

THIS WARRANTY IS ONLY VALID WHEN THE UNIT IS CARRIED-IN TO AN AUTHORIZED SERVICE CENTER.

THE PRODUCT MUST BE ACCOMPANIED BY A COPY OF THE ORIGINAL RETAIL PURCHASE RECEIPT. IF NO PROOF OF PURCHASE IS ATTACHED, THE WARRANTY WILL NOT BE HONORED AND REPAIR COSTS WILL BE CHARGED.

IMPORTANT:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. IF, AT ANY TIME DURING THE WARRANTY PERIOD, YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORP.

ATTENTION:

FUNAI CORP. RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.

WARRANTY STATEMENT REGARDING NON AUTHORIZED REPAIRS:

To obtain warranty service, you must take the product, or deliver the product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any AUTHORIZED SERVICE CENTER. FUNAI CORP. will not reimburse you for any service done by unauthorized service providers without prior written approval.

To locate your nearest AUTHORIZED SERVICE CENTER or for general service inquiries, please contact us at:

FUNAI SERVICE CORPORATION
Tel :1-877-39-Funai (1-877-393-8624)
www.funaiamerica.com
2200 Spiegel Drive, Groveport, OH 43125